

- industry cross-fertilisation
- technology transfer
- industry forum
- seminars
- consultancy and case studies
- training

Mathematics for Engineers and Control Application

Agenda (3-days Course)

Day 1:

- 08.45 REGISTRATION
- 09.00 Matrix Algebra**
- 10.15 Hands-On Session: Matrix Algebra**
- 11.00 TEA/COFFEE
- 11.15 Linear and Quadratic Equations and Inequalities**
- 12.00 LUNCH
- 12.45 Hands-On Session: Equations and Inequalities**
- 13.30 Exponential functions, Logarithms and Trigonometric functions**
- 14.15 Hands-On Session: Exp, Log and Trigonometric functions**
- 15.00 TEA/COFFEE
- 15.15 Complex Numbers**
- 16.15 Hands-On Session: Complex Numbers**
- 17.00 CLOSE

Day 2:

- 09.00 Differentiation and its Applications**
- 10.00 Integration and its Applications**
- 11.00 TEA/COFFEE
- 11.15 Hands-On Session: Differentiation and Integration**
- 12.30 LUNCH
- 13.15 Differential equations**
- 14.15 Hands-On Session: Differential Equations**
- 15.00 TEA/COFFEE
- 15.15 Hands-On Session: Differential Equations**
- 16.00 Transforms and Series**
- 17.00 CLOSE

Day 3

- 09.00 Statistics and Probability**
- 10.00 Hands-On Session: Transforms, Series and Statistics/Probability**
- 11.00 TEA/COFFEE
- 11.15 Introduction to Control Fundamentals**
- 12.30 LUNCH
- 13.15 Linear Systems, Transfer Functions and State-Space Models**
- 14.30 TEA/COFFEE
- 14.45 Frequency Response Analysis Techniques and Stability**
- 16.00 Hands-On Session: Linear Systems and Frequency Analysis**
- 17.00 CLOSE